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## CHAPTER 1: INTRODUCTION

### 1.1 BEFORE YOU START

Thank you for choosing our product. Before you start installing the motherboard, please make sure you follow the instructions below:

- Prepare a dry and stable working environment with sufficient lighting.
- Always disconnect the computer from power outlet before operation.
- Before you take the motherboard out from anti-static bag, ground yourself properly by touching any safely grounded appliance, or use grounded wrist strap to remove the static charge.
- Avoid touching the components on motherboard or the rear side of the board unless necessary. Hold the board on the edge, do not try to bend or flex the board.
- Do not leave any unfastened small parts inside the case after installation. Loose parts will cause short circuits which may damage the equipment.
- Keep the computer from dangerous area, such as heat source, humid air and water.

### 1.2 PACKAGE CHECKLIST

- ✦ HDD Cable X 1
- ✦ Serial ATA Cable X 1
- ✦ Rear I/O Panel for ATX Case X 1
- ✦ User's Manual X 1
- ✦ Fully Setup Driver CD X 1
- ✦ FDD Cable X 1 (optional)
- ✦ Serial ATA Power Cable X 1 (optional)
- ✦ USB 2.0 Cable X1 (optional)
- ✦ S/PDIF out Cable X 1 (optional)

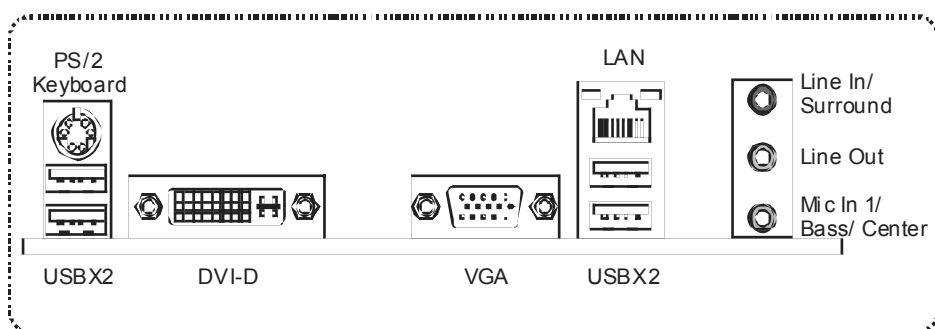
**Note:** The package contents may differ by area or your motherboard version.

### 1.3 MOTHERBOARD FEATURES

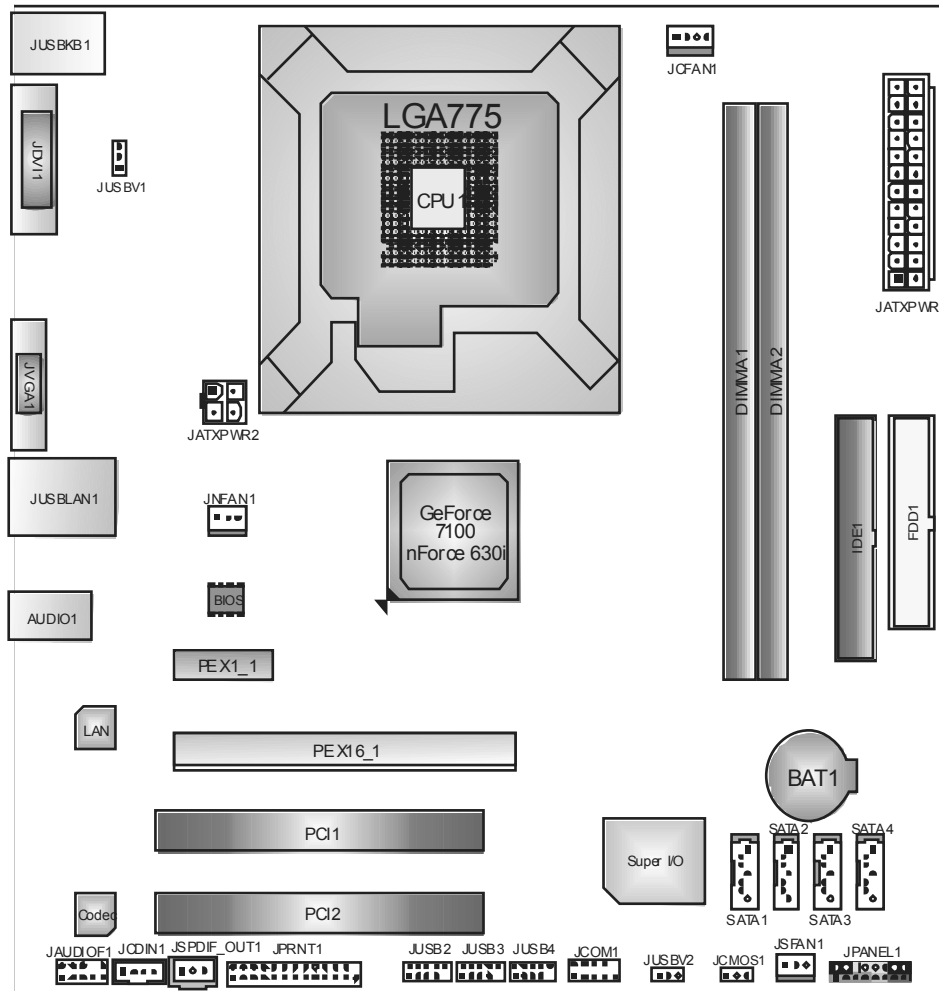
SPEC		
CPU	LGA 775 Intel Core2Duo / Core2Quad / Celeron 4xx / Pentium D / Pentium 4 processor Supports 45nm CPU	Supports Hyper-Threading / Execute Disable Bit / Enhanced Intel SpeedStep® / Intel Architecture-64 / Extended Memory 64 Technology / Virtualization Technology
FSB	Support 1333 MHz	
Chipset	GeForce 7100/rForce 630i	
Super I/O	ITE 8718F Provides the most commonly used legacy Super I/O functionality Low Pin Count Interface	Environment Control initiatives, H/W Monitor Fan Speed Controller ITE's "Smart Guardian" function
Main Memory	DDR2 DIMM Slots x 2 Max Memory Capacity 4GB Each DIMM supports 512MB/1GB/2GB DDR2	Single Channel Mode DDR2 memory module Supports DDR2 533 / 667 / 800 Registered DIMM and ECC DIMM is not supported
Graphics	GeForce 7100/rForce 630i	Max Shared Video Memory is 512MB (under OS)
IDE	Integrated IDE Controller	Ultra DMA 33 / 66 / 100 / 133 Bus Master Mode supports PIO Mode 0~4,
SATA II	Integrated Serial ATA Controller	Data transfer rates up to 3 Gb/s. SATA Version 2.0 specification compliant.
LAN	Realtek 8111B / 8111C(optional)	10 / 100 Mb/s and 1Gb/s Auto-Negotiation Half / Full duplex capability
Sound	ALC662	5.1 channels audio out High Definition Audio
Slots	PCI slot x2 PCI Express x16 slot x1 PCI Express x 1 slot x1	Supports PCI expansion cards Supports PCI-E x16 expansion cards Supports PCI-E x1 expansion cards
On Board Connector	Floppy connector x1 Printer Port connector x1 IDE Connector x1 SATA Connector x4 Front Panel Connector x1 Front Audio Connector x1	Each connector supports 2 Floppy drives Each connector supports 1 Printer port Each connector supports 2 IDE device Each connector supports 1 SATA devices Supports front panel facilities Supports front panel audio function

SPEC			
	CD-in Connector	x1	Supports CD audio-in function
	S/PDIF out connector	x1	Supports digital audio out function
	CPU Fan header	x1	CPU Fan power supply (with Smart Fan function)
	System Fan header	x2	System Fan Power supply
	CMOS clear header	x1	Restore CMOS data to factory default
	USB connector	x3	Each connector supports 2 front panel USB ports
	Serial port Connector	x1	Connects to RS-232 Port
	Power Connector (24pin)	x1	Connects to Power supply
	Power Connector (4pin)	x1	Connects to Power supply
Back Panel I/O	PS/2 Keyboard	x1	Connects to PS/2 Keyboard
	VGA port	x1	Connect to D-SUB monitor
	DVI-D port	x1	Connect to DVI-D monitor
	LAN port	x1	Connect to RJ-45 ethernet cable
	USB Port	x4	Connect to USB devices
	Audio Jack	x3	Provide Audio-In/Out and microphone connection
Board Size	244 mm(W) x 244 mm(L)		
Special Features	RAID 0 / 1 / 5 / 0+1 support		
OS Support	Windows XP / VISTA		Biostar Reserves the right to add or remove support for any OS With or without notice.

## 1.4 REAR PANEL CONNECTORS



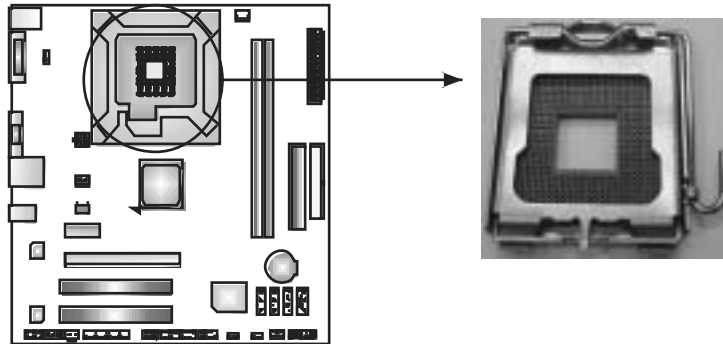
## 1.5 MOTHERBOARD LAYOUT



**Note:** ■ represents the 1<sup>st</sup> pin.

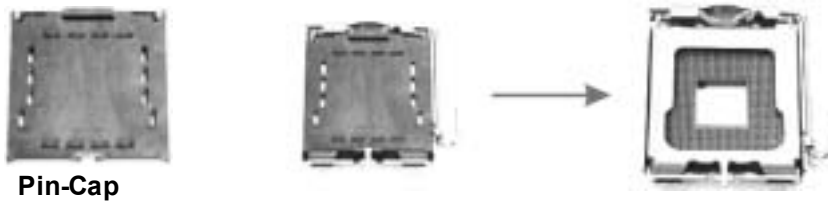
## CHAPTER 2: HARDWARE INSTALLATION

### 2.1 INSTALLING CENTRAL PROCESSING UNIT (CPU)

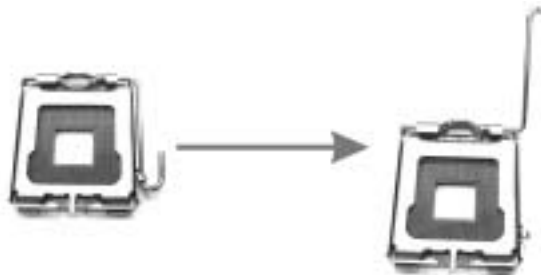


#### *Special Notice*

Remove Pin Cap before installation, and make good preservation for future use. When the CPU is removed, cover the Pin Cap on the empty socket to ensure pin legs won't be damaged.



**Step 1:** Pull the socket locking lever out from the socket and then raise the lever up to a 90-degree angle.

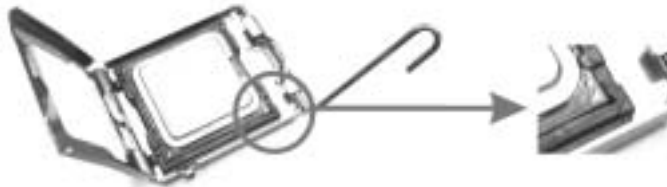


**Step 2:** Look for the triangular cut edge on socket, and the golden dot on CPU should point forwards this triangular cut edge. The CPU will fit only in the correct orientation.

*Step 2-1:*



*Step 2-2:*



**Step 3:** Hold the CPU down firmly, and then lower the lever to locked position to complete the installation.



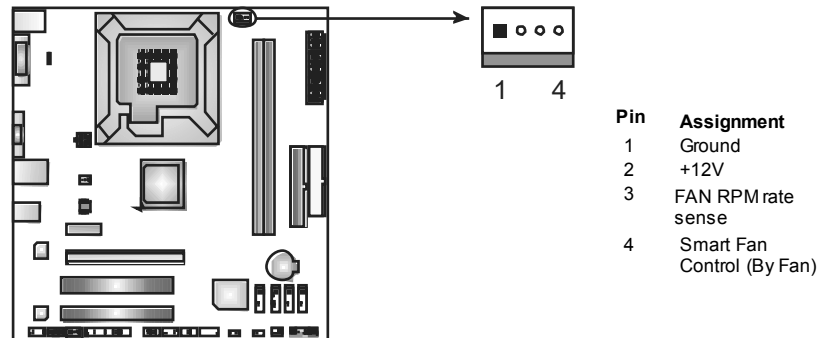
**Step 4:** Put the CPU Fan and heatsink assembly on the CPU and buckle it on the retention frame. Connect the CPU FAN power cable into the JCFAN1. This completes the installation.



## 2.2 FAN HEADERS

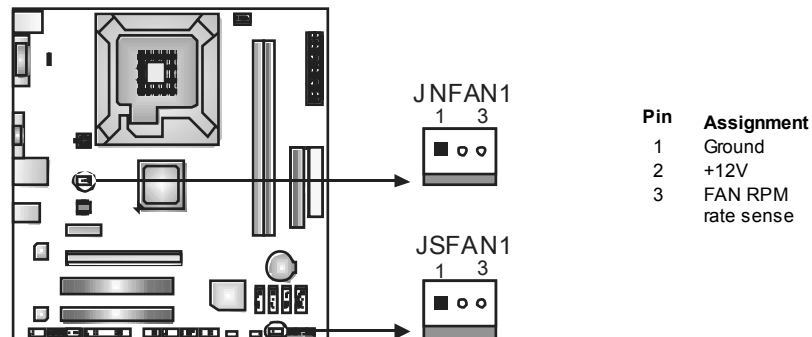
These fan headers support cooling-fans built in the computer. The fan cable and connector may be different according to the fan manufacturer. Connect the fan cable to the connector while matching the black wire to pin#1.

### JCFAN1: CPU Fan Header



### JNFAN1: North Bridge Fan Header

### JSFAN1: System Fan Header

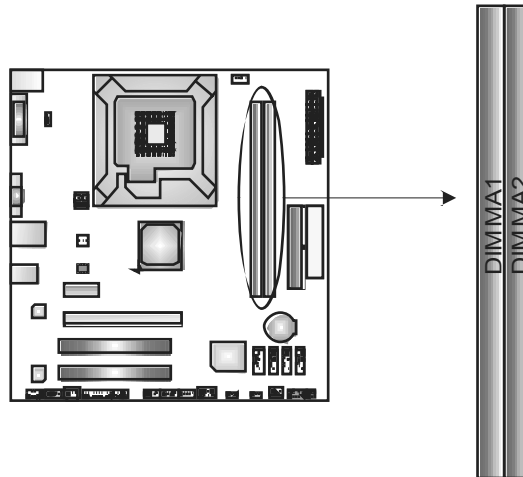


#### Note:

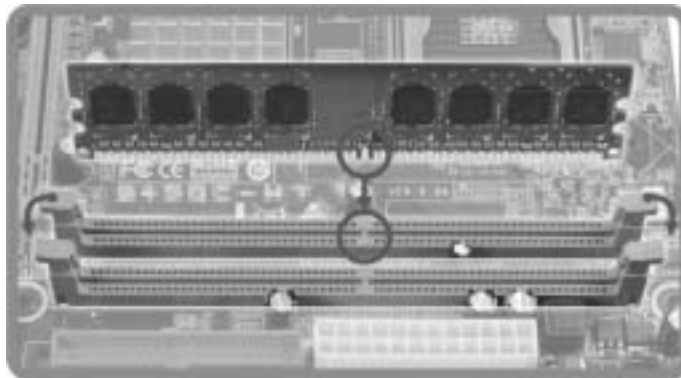
The JCFAN1 supports 4-pin head connector. The JSFAN1 and JNFAN1 support 3-pin head connectors. When connecting with wires onto connectors, please note that the red wire is the positive and should be connected to pin#2, and the black wire is Ground and should be connected to GND.

## 2.3 INSTALLING SYSTEM MEMORY

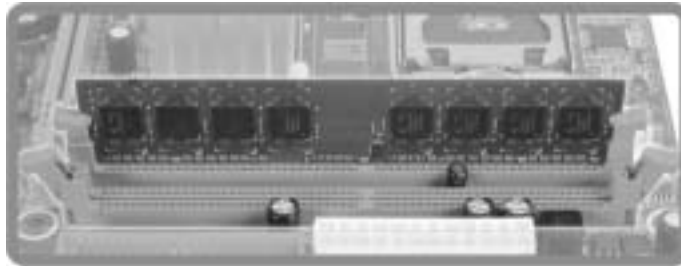
### A. Memory Modules



1. Unlock a DIMM slot by pressing the retaining clips outward. Align a DIMM on the slot such that the notch on the DIMM matches the break on the Slot.



2. Insert the DIMM vertically and firmly into the slot until the retaining chip snap back in place and the DIMM is properly seated.



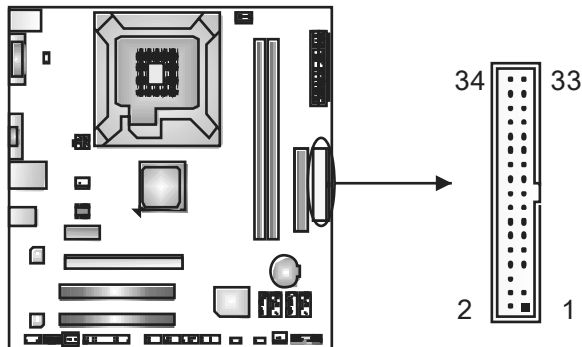
### *B. Memory Capacity*

DIMM Socket Location	DDR2 Module	Total Memory Size
DIMMA1	512MB/1024MB/2048MB	Max is 4GB.
DIMMA2	512MB/1024MB/2048MB	

## 2.4 CONNECTORS AND SLOTS

### FDD1: Floppy Disk Connector

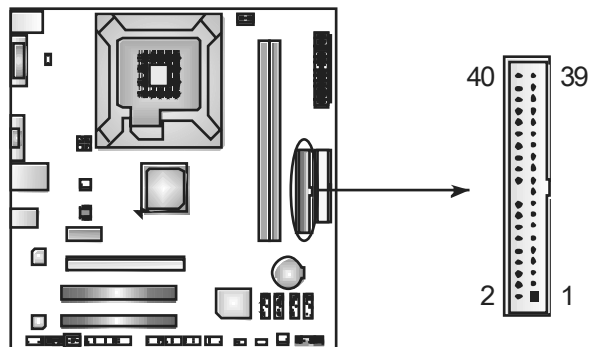
The motherboard provides a standard floppy disk connector that supports 360K, 720K, 1.2M, 1.44M and 2.88M floppy disk types. This connector supports the provided floppy drive ribbon cable.



### IDE1: Hard Disk Connector

The motherboard has a 32-bit Enhanced PCI IDE Controller that provides PIO Mode 0~4, Bus Master, and Ultra DMA 33/66/100/133 functionality.

The IDE connector can connect a master and a slave drive, so you can connect up to two IDE devices.

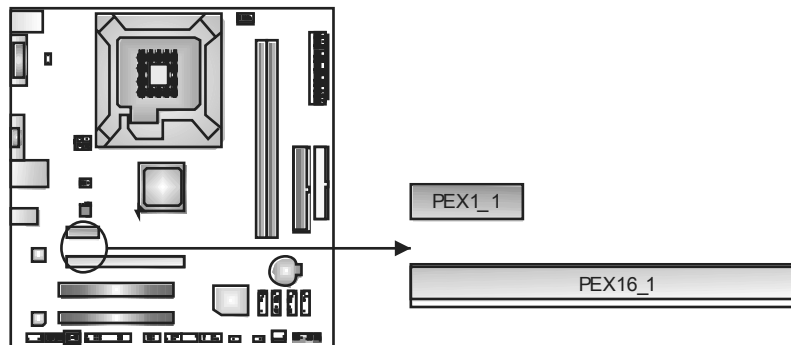


**PEX16\_1: PCI-Express x16 Slot**

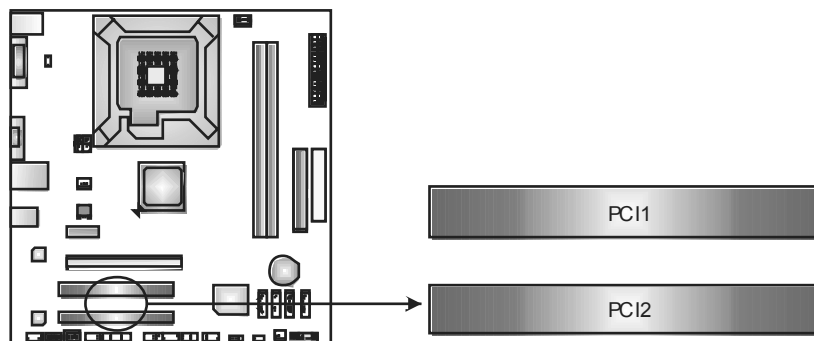
- PCI-Express 1.0a compliant.
- Maximum theoretical realized bandwidth of 4GB/s simultaneously per direction, for an aggregate of 8GB/s totally.

**PEX1\_1: PCI-Express x1 Slot**

- PCI-Express 1.0a compliant.
- Data transfer bandwidth up to 250MB/s per direction; 500MB/s in total.
- PCI-Express supports a raw bit-rate of 2.5GB/s on the data pins.
- 2X bandwidth over the traditional PCI architecture.

**PCI1~PCI2: Peripheral Component Interconnect Slots**

This motherboard is equipped with 2 standard PCI slots. PCI stands for Peripheral Component Interconnect, and it is a bus standard for expansion cards. This PCI slot is designated as 32 bits.



## CHAPTER 3: HEADERS & JUMPERS SETUP

### 3.1 HOW TO SETUP JUMPERS

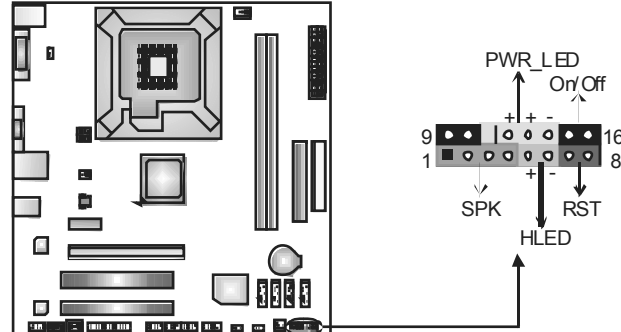
The illustration shows how to set up jumpers. When the jumper cap is placed on pins, the jumper is “close”, if not, that means the jumper is “open”.



### 3.2 DETAIL SETTINGS

#### J PANEL1: Front Panel Header

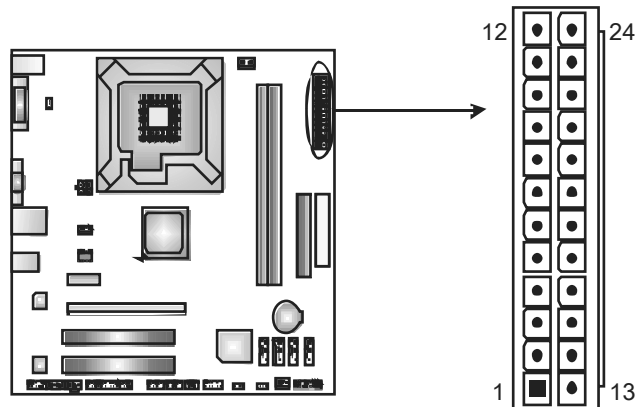
This 16-pin connector includes Power-on, Reset, HDD LED, Power LED, and speaker connection. It allows user to connect the PC case's front panel switch functions.



Pin	Assignment	Function	Pin	Assignment	Function
1	+5V	Speaker Connector	9	N/A	N/A
2	N/A		10	N/A	N/A
3	N/A		11	N/A	N/A
4	Speaker	Hard drive LED	12	Power LED (+)	Power LED
5	HDD LED (+)		13	Power LED (+)	
6	HDD LED (-)	Reset button	14	Power LED (-)	Power-on button
7	Ground		15	Power button	
8	Reset control		16	Ground	

**JATXPWR1: ATX Power Source Connector**

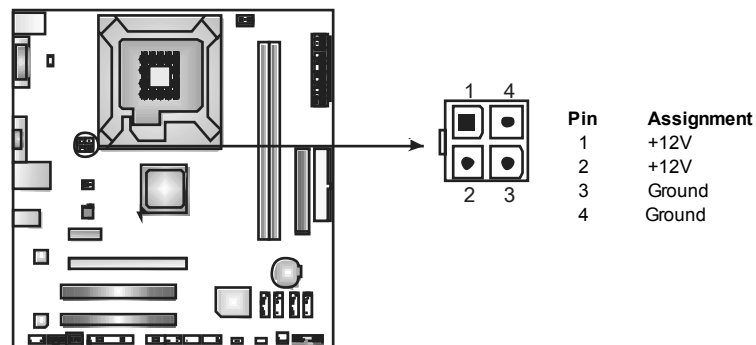
This connector allows user to connect 24-pin power connector on the ATX power supply.



Pin	Assignment	Pin	Assignment
13	+3.3V	1	+3.3V
14	-12V	2	+3.3V
15	Ground	3	Ground
16	PS_ON	4	+5V
17	Ground	5	Ground
18	Ground	6	+5V
19	Ground	7	Ground
20	NC	8	PW_OK
21	+5V	9	StandbyVoltage+5V
22	+5V	10	+12V
23	+5V	11	+12V
24	Ground	12	+3.3V

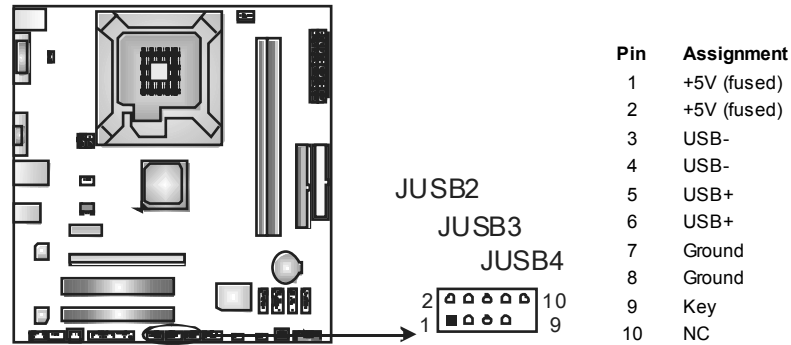
**JATXPWR2: ATX Power Source Connector**

By connecting this connector, it will provide +12V to CPU power circuit.



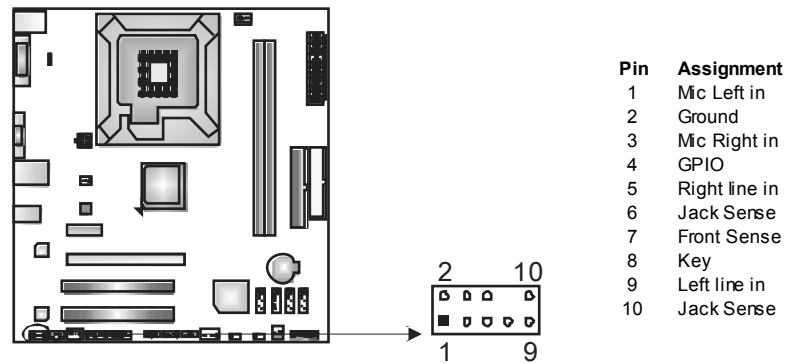
### JUSB2/JUSB3/JUSB4: Headers for USB 2.0 Ports at Front Panel

This header allows user to connect additional USB cable on the PC front panel, and also can be connected with internal USB devices, like USB card reader.



### JAUDIO F1: Front Panel Audio Header

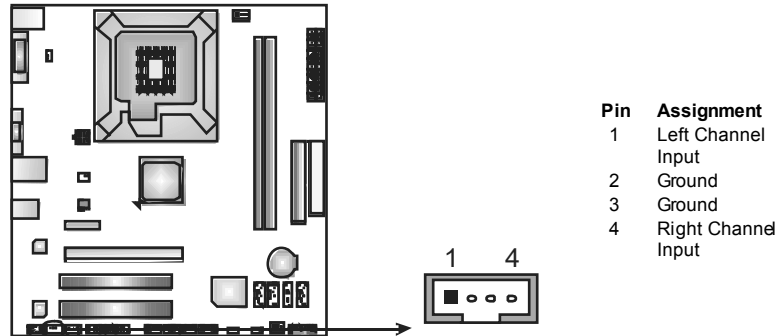
This header allows user to connect the front audio output cable with the PC front panel. This header allows only HD audio front panel connector; AC'97 connector is not acceptable.



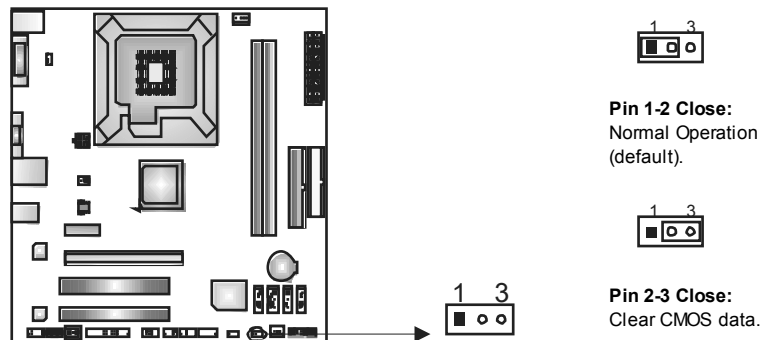


**JCDIN1: CD-ROM Audio-in Connector**

This connector allows user to connect the audio source from the variety devices, like CD-ROM, DVD-ROM, PCI sound card, PCI TV tuner card etc..

**JCMOS1: Clear CMOS Header**

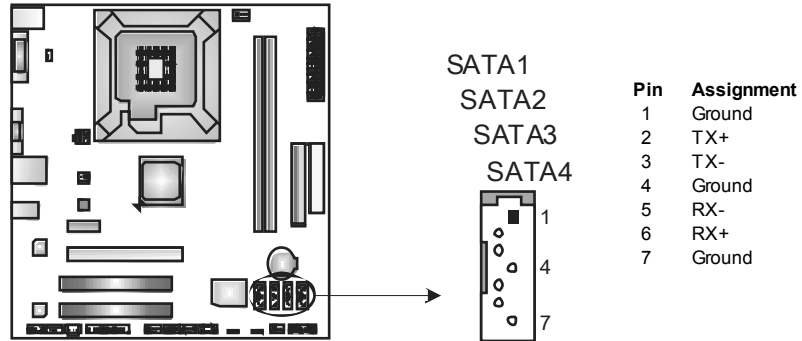
By placing the jumper on pin2-3, it allows user to restore the BIOS safe setting and the CMOS data, please carefully follow the procedures to avoid damaging the motherboard.

**※ Clear CMOS Procedures:**

1. Remove AC power line.
2. Set the jumper to "Pin 2-3 close".
3. Wait for five seconds.
4. Set the jumper to "Pin 1-2 close".
5. Power on the AC.
6. Reset your desired password or clear the CMOS data.

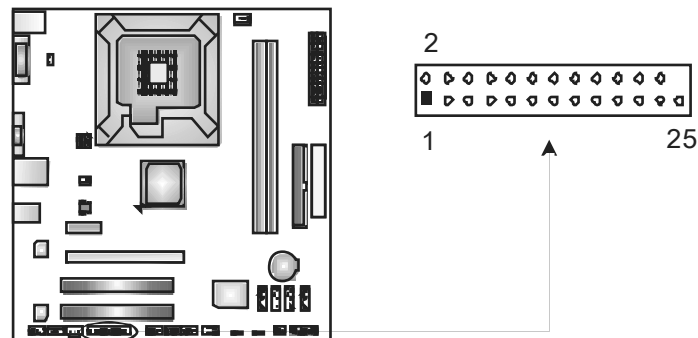
### SATA1~SATA4: Serial ATA Connectors

The motherboard has a PCI to SATA Controller with 4 channels SATA interface.



### JPRNT1: Printer Port Connector

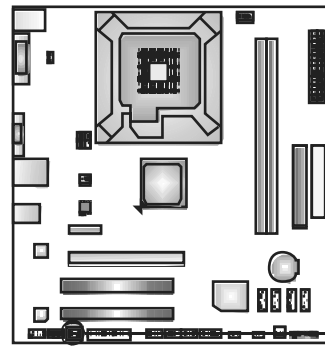
This header allows you to connector printer on the PC.



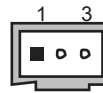
Pin	Assignment	Pin	Assignment
1	-Strobe	14	Ground
2	-ALF	15	Data 6
3	Data 0	16	Ground
4	-Error	17	Data 7
5	Data 1	18	Ground
6	-Init	19	-ACK
7	Data 2	20	Ground
8	-Scltin	21	Busy
9	Data 3	22	Ground
10	Ground	23	PE
11	Data 4	24	Ground
12	Ground	25	SCLT
13	Data 5	26	Key

**JSPDIF\_OUT1: Digital Audio-out Connector**

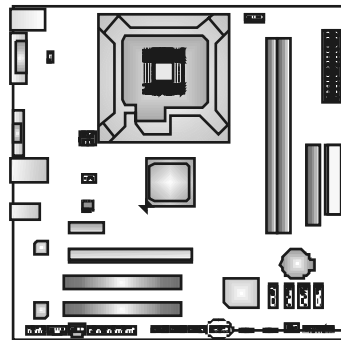
This connector allows user to connect the PCI bracket SPDIF output header.



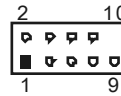
Pin	Assignment
1	+5V
2	SPDIF_OUT
3	Ground

**JCOM1: Serial port Connector**

The motherboard has a Serial Port Connector for connecting RS-232 Port.



Pin	Assignment
1	Carrier detect
2	Received data
3	Transmitted data
4	Data terminal ready
5	Signal ground
6	Data set ready
7	Request to send
8	Clear to send
9	Ring indicator
10	Key



## JUSBV1/JUSBV2: Power Source Headers for USB Ports

### *Pin 1-2 Close:*

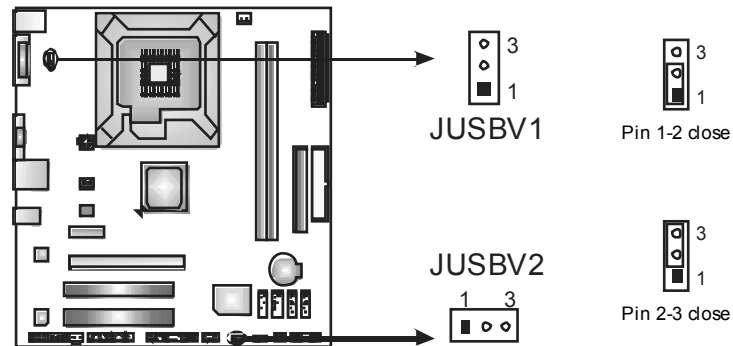
JUSBV1: +5V for USB ports at JUSBKB1/JUSBLAN1.

JUSBV2: +5V for USB ports at JUSB2/JUSB3/JUSB4.

### *Pin 2-3 Close:*

JUSBV1: USB ports at JUSBKB1/JUSBLAN1 are powered by +5V standby voltage.

JUSBV2: USB ports at JUSB2/JUSB3/JUSB4 are powered by +5V standby voltage.



### **Note:**

In order to support this function "Power-On system via USB device," "JUSBV1/ JUSBV2" jumper cap should be placed on Pin 2-3 individually

## CHAPTER 4: RAID FUNCTIONS

### 4.1 OPERATION SYSTEM

- Supports Windows XP Home/Professional Edition, and Windows Vista.

### 4.2 RAID ARRAYS

RAID supports the following types of RAID arrays:

**RAID 0:** RAID 0 defines a disk striping scheme that improves disk read and write times for many applications.

**RAID 1:** RAID 1 defines techniques for mirroring data.

**RAID 0+1:** RAID 0+1 combines the techniques used in RAID 0 and RAID 1.

**RAID 5:** RAID 5 provides fault tolerance and better utilization of disk capacity.

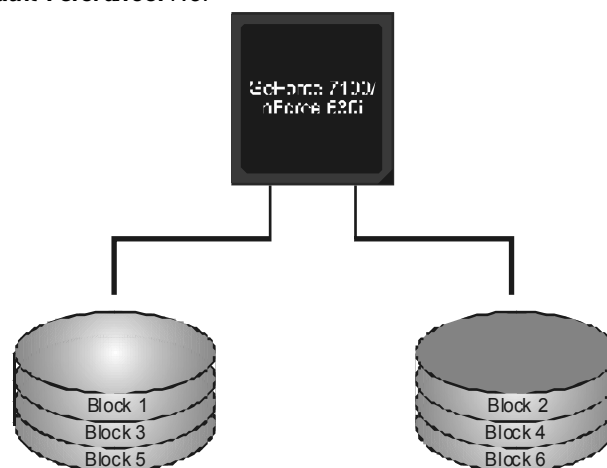
### 4.3 How RAID WORKS

#### RAID 0:

The controller “stripes” data across multiple drives in a RAID 0 array system. It breaks up a large file into smaller blocks and performs disk reads and writes across multiple drives in parallel. The size of each block is determined by the stripe size parameter, which you set during the creation of the RAID set based on the system environment. This technique reduces overall disk access time and offers high bandwidth.

#### Features and Benefits

- **Drives:** Minimum 1, and maximum is up to 6 or 8. Depending on the platform.
- **Uses:** Intended for non-critical data requiring high data throughput, or any environment that does not require fault tolerance.
- **Benefits:** provides increased data throughput, especially for large files. No capacity loss penalty for parity.
- **Drawbacks:** Does not deliver any fault tolerance. If any drive in the array fails, all data is lost.
- **Fault Tolerance:** No.



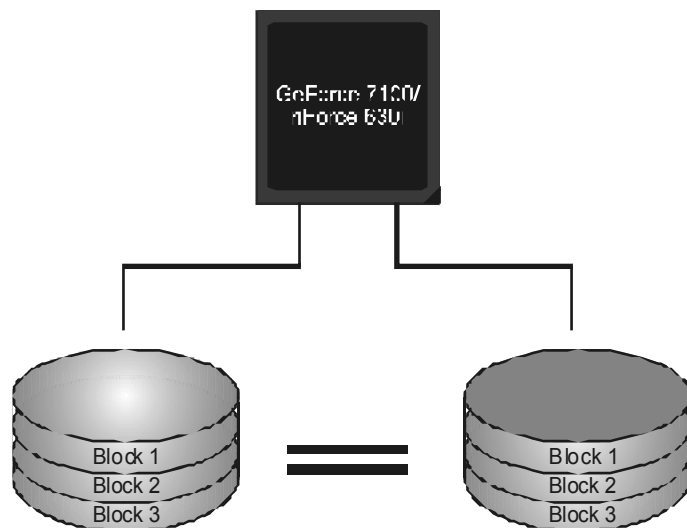
### **RAID 1:**

Every read and write is actually carried out in parallel across 2 disk drives in a RAID 1 array system. The mirrored (backup) copy of the data can reside on the same disk or on a second redundant drive in the array. RAID 1 provides a hot-standby copy of data if the active volume or drive is corrupted or becomes unavailable because of a hardware failure.

RAID techniques can be applied for high-availability solutions, or as a form of automatic backup that eliminates tedious manual backups to more expensive and less reliable media.

#### **Features and Benefits**

- **Drives:** Minimum 2, and maximum is 2.
- **Uses:** RAID 1 is ideal for small databases or any other application that requires fault tolerance and minimal capacity.
- **Benefits:** Provides 100% data redundancy. Should one drive fail, the controller switches to the other drive.
- **Drawbacks:** Requires 2 drives for the storage space of one drive. Performance is impaired during drive rebuilds.
- **Fault Tolerance:** Yes.

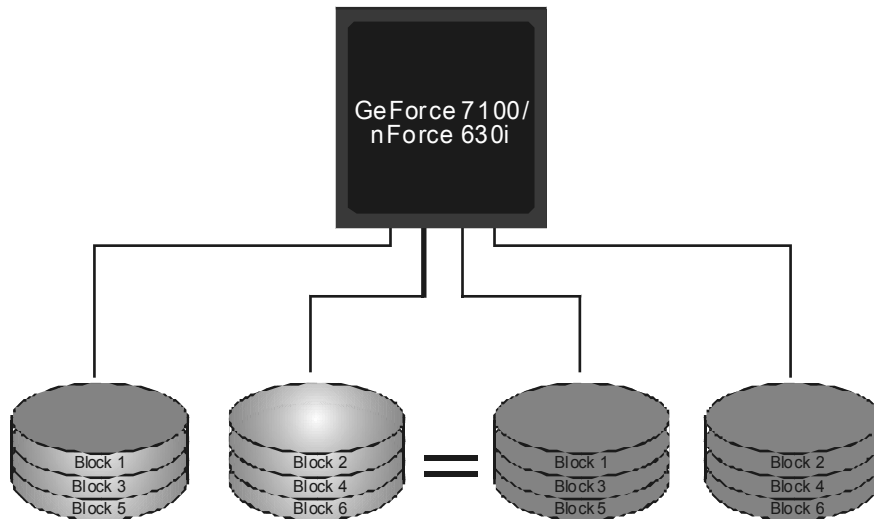


**RAID 0+1:**

RAID 0 drives can be mirrored using RAID 1 techniques. Resulting in a RAID 0+1 solution for improved performance plus resiliency.

**Features and Benefits**

- **Drives:** Minimum 4, and maximum is 6 or 8, depending on the platform.
- **Benefits:** Optimizes for both fault tolerance and performance, allowing for automatic redundancy. May be simultaneously used with other RAID levels in an array, and allows for spare disks.
- **Drawbacks:** Requires twice the available disk space for data redundancy, the same as RAID level 1.
- **Fault Tolerance:** Yes.

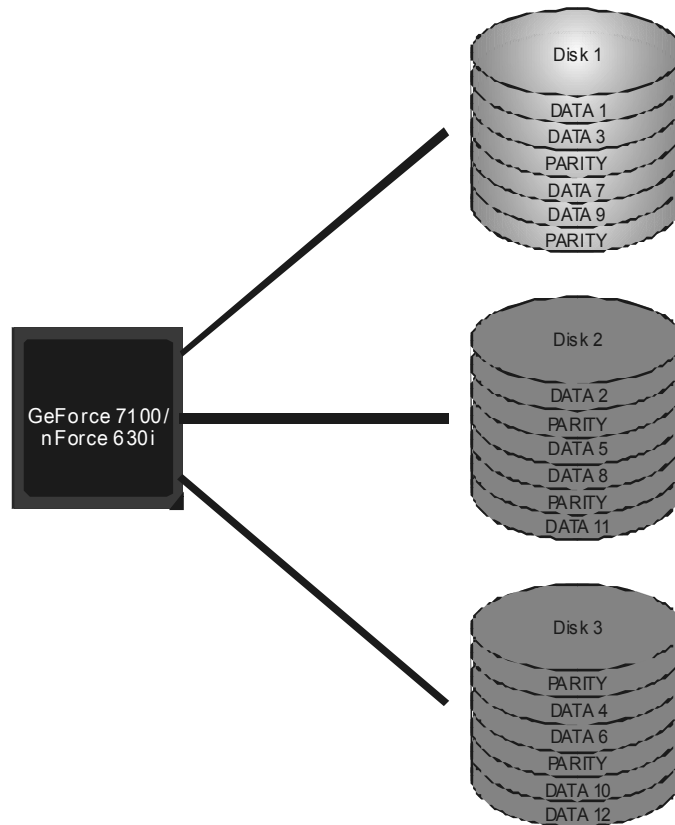


### **RAID 5:**

RAID 5 stripes both data and parity information across three or more drives. It writes data and parity blocks across all the drives in the array. Fault tolerance is maintained by ensuring that the parity information for any given block of data is placed on a different drive from those used to store the data itself.

#### **Features and Benefits**

- **Drives:** Minimum 3.
- **Uses:** RAID 5 is recommended for transaction processing and general purpose service.
- **Benefits:** An ideal combination of good performance, good fault tolerance, and high capacity and storage efficiency.
- **Drawbacks:** Individual block data transfer rate same as a single disk. Write performance can be CPU intensive.
- **Fault Tolerance:** Yes.



※ For more detailed setup information, please refer to the Driver CD, or go to [http://www.nvidia.com/object/IO\\_28159.html](http://www.nvidia.com/object/IO_28159.html) to download the NVIDIA RAID User's Guide.



## CHAPTER 5: USEFUL HELP

### 5.1 DRIVER INSTALLATION NOTE

After you installed your operating system, please insert the Fully Setup Driver CD into your optical drive and install the driver for better system performance.

You will see the following window after you insert the CD



The setup guide will auto detect your motherboard and operating system.

**Note:**

If this window didn't show up after you insert the Driver CD, please use file browser to locate and execute the file **SETUPEXE** under your optical drive.

#### A. Driver Installation

To install the driver, please click on the Driver icon. The setup guide will list the compatible driver for your motherboard and operating system. Click on each device driver to launch the installation program.

#### B. Software Installation

To install the software, please click on the Software icon. The setup guide will list the software available for your system, click on each software title to launch the installation program.

#### C. Manual

Aside from the paperback manual, we also provide manual in the Driver CD. Click on the Manual icon to browse for available manual.

**Note:**

You will need Acrobat Reader to open the manual file. Please download the latest version of Acrobat Reader software from

<http://www.adobe.com/products/acrobat/readstep2.html>

## 5.2 AWARD BIOS BEEP CODE

Beep Sound	Meaning
One long beep followed by two short beeps	Video card not found or video card memory bad
High-low siren sound	CPU overheated System will shut down automatically
One Short beep when system boot-up	No error found during POST
Long beeps every other second	No DRAM detected or install

## 5.3 EXTRA INFORMATION

### ***CPU Overheated***

If the system shutdown automatically after power on system for seconds, that means the CPU protection function has been activated.

When the CPU is over heated, the motherboard will shutdown automatically to avoid a damage of the CPU, and the system may not power on again.

In this case, please double check:

1. The CPU cooler surface is placed evenly with the CPU surface.
2. CPU fan is rotated normally.
3. CPU fan speed is fulfilling with the CPU speed.

After confirmed, please follow steps below to relief the CPU protection function.

1. Remove the power cord from power supply for seconds.
2. Wait for seconds.
3. Plug in the power cord and boot up the system.

Or you can:

1. Clear the CMOS data.  
(See "Close CMOS Header: JCMOS1" section)
2. Wait for seconds.
3. Power on the system again.

## 5.4 TROUBLESHOOTING

Probable	Solution
1. No power to the system at all Power light don't illuminate, fan inside power supply does not turn on. 2. Indicator light on key board does not turn on.	1. Make sure power cable is securely plugged in. 2. Replace cable. 3. Contact technical support.
System inoperative. Keyboard lights are on, power indicator lights are lit, and hard drive is spinning.	Using even pressure on both ends of the DIMM, press down firmly until the module snaps into place.
System does not boot from hard disk drive, can be booted from optical drive.	1. Check cable running from disk to disk controller board. Make sure both ends are securely plugged in; check the drive type in the standard CMOS setup. 2. Backing up the hard drive is extremely important. All hard disks are capable of breaking down at any time.
System only boots from optical drive. Hard disk can be read and applications can be used but booting from hard disk is impossible.	1. Back up data and applications files. 2. Reformat the hard drive. Re-install applications and data using backup disks.
Screen message says "Invalid Configuration" or "CMOS Failure."	Review system's equipment. Make sure correct information is in setup.
Cannot boot system after installing second hard drive.	1. Set master/slave jumpers correctly. 2. Run SETUP program and select correct drive types. Call the drive manufacturers for compatibility with other drives.

## APPENDENCIES: SPEC IN OTHER LANGUAGE

### GERMAN

Spezifikationen		
CPU	LGA 775 Intel Core2Duo / Core2Quad / Celeron 4xx / Pentium 4 / Pentium D Prozessoren Unterstützt 45nm CPU	Unterstützt Hyper-Threading / Execute Disable Bit / Enhanced Intel SpeedStep® / Intel Architecture-64 / Extended Memory 64 Technology / Virtualization Technology
FSB	1333 MHz	
Chipsatz	GeForce 7100/nForce 630i	
Super E/A	ITE 8718F Bietet die häufig verwendeten alten Super E/A-Funktionen. Low Pin Count-Schnittstelle	Umgebungs-kontrolle, Hardware-Überwachung Lüfterdrehzahl-Controller "Smart Guardian"-Funktion von ITE
Arbeitsspeicher	DDR2 DIMM-Steckplätze x 2 Max. 4GB Arbeitsspeicher Jeder DIMM unterstützt 512MB/1GB/2GB DDR2	Ein-Kanal DDR2 Speichermodul Unterstützt DDR2 533 / 667 / 800 registrierte DIMMs. ECC DIMMs werden nicht unterstützt.
Grafik	GeForce 7100/nForce 630i	Max. 512MB gemeinsam benutzter Videospeicher (under OS)
IDE	Integrierter IDE-Controller	Ultra DMA 33 / 66 / 100 / 133 Bus Master-Modus Unterstützt PIO-Modus 0~4,
SATA II	Integrierter Serial ATA-Controller	Datentransferrate bis zu 3Gb/s Konform mit der SATA-Spezifikation Version 2.0.
LAN	Realtek 8111B / 8111C(optional)	10 / 100 Mb/s und 1Gb/s Auto-Negotiation Halb-/Voll-duplex-Funktion
Audio-Codec	ALC 662	5.1-Kanal-Audioausgabe Unterstützt High-Definition Audio
Steckplätze	PCI-Steckplatz x2 PCI Express x16 Steckplatz x1 PCI Express x1-Steckplatz x1	
Onboard-Anschluss	Diskettenlaufwerkanschluss x1 Druckeranschluss Anschluss x1 IDE-Anschluss x1 SATA-Anschluss x4	Jeder Anschluss unterstützt 2 Diskettenlaufwerke Jeder Anschluss unterstützt 1 Druckeranschluss Jeder Anschluss unterstützt 2 IDE-Laufwerke Jeder Anschluss unterstützt 1 SATA-Laufwerk

Spezifikationen			
	Fronttafelanschluss	x1	Unterstützt die Fronttafel Funktionen
	Front-Audioanschluss	x1	Unterstützt die Fronttafel-Audioanschlussfunktion
	CD-IN-Anschluss	x1	Unterstützt die CDAudio-In-Funktion
	S/PDIF- Ausgangsanschluss	x1	Unterstützt die digitale Audioausgabefunktion
	CPU-Lüfter-Sockel	x1	CPU-Lüfterstromversorgungsanschluss (mit Smart Fan-Funktion)
	System-Lüfter-Sockel	x2	System-Lüfter-Stromversorgungsanschluss
	"CMOS löschen"-Sockel	x1	
	USB-Anschluss	x3	Jeder Anschluss unterstützt 2 Fronttafel-USB-Anschlüsse
	Serieller Anschluss	x1	
	Stromanschluss (24-polig)	x1	
	Stromanschluss (4-polig)	x1	
Rückseiten-E/A	PS/2-Tastatur	x1	
	VGA-Anschluss	x1	
	DVI-D-Anschluss	x1	
	LAN-Anschluss	x1	
	USB-Anschluss	x4	
	Audioanschluss	x3	
Platinengröße	244 mm (B) X 244 mm (L)		
Sonderfunktionen	Unterstützt RAID 0 / 1 / 5 / 0+1		
OS-Unterstützung	Windows XP / VISTA		Biostar behält sich das Recht vor, ohne Ankündigung die Unterstützung für ein Betriebssystem hinzuzufügen oder zu entfernen.

## FRANCE

SPEC		
UC	LGA 775 Processeurs Intel Core2Duo / Core2Quad / Celeron 4xx / Pentium 4 / Pentium D Prend en charge le 45nm UC	Prend en charge les technologies Hyper-Threading / d'exécution de bit de désactivation / Intel SpeedStep® optimisée/ d'architecture Intel 64 / de mémoire étendue 64 / de virtualisation
Bus frontal	1333 MHz	
Chipset	GeForce 7100/nForce 630i	
Super E/S	ITE 8718F Fournit la fonctionnalité de Super E/S patrimoniales la plus utilisée. Interface à faible compte de broches	Initiatives de contrôle environnementales, Moniteur de matériel Contrôleur de vitesse de ventilateur Fonction "Garden intelligent" de l'ITE
Mémoire principale	Fentes DDR2 DIMM x 2 Capacité mémoire maximale de 4 Go Chaque DIMM prend en charge des DDR2 de 512Mo et 1Go/2Go	Module de mémoire DDR2 à mode à simple voie Prend en charge la DDR2 533 / 667 / 800 Les DIMM à registres et DIMM avec code correcteurs d'erreurs ne sont pas prises en charge
Graphiques	GeForce 7100/nForce 630i	Mémoire vidéo partagée maximale de 512 Mo (under OS)
IDE	Contrôleur IDE intégré	Mode principale de Bus Ultra DMA 33 / 66 / 100 / 133 Prend en charge le mode PIO 0~4,
SATA II	Contrôleur Serial ATA intégré :	Taux de transfert jusqu'à 3 Go/s. Conforme à la spécification SATA Version 2.0
LAN	Realtek 8111B / 8111C(en option)	10 / 100 Mb/s et 1 Gb/s négociation automatique Half / Full duplex capability
Codec audio	ALC 662	Sortie audio à 5.1 voies Prise en charge de l'audio haute définition
Fentes	Fente PCI x2 Slot PCI Express x16 x1 Slot PCI Express x1 x1	
Connecteur embarqué	Connecteur de disquette x1 Connecteur de Port d'imprimante x1 Connecteur IDE x1	Chaque connecteur prend en charge 2 lecteurs de disquettes Chaque connecteur prend en charge 1 Port d'imprimante Chaque connecteur prend en charge 2 périphériques IDE

SPEC			
	Connecteur SATA	x4	Chaque connecteur prend en charge 1 périphérique SATA
	Connecteur du panneau avant	x1	Prend en charge les équipements du panneau avant
	Connecteur Audio du panneau avant	x1	Prend en charge la fonction audio du panneau avant
	Connecteur d'entrée CD	x1	Prend en charge la fonction d'entrée audio de CD
	Connecteur de sortie S/PDIF	x1	Prend en charge la fonction de sortie audio numérique
	Embase de ventilateur UC	x1	Alimentation électrique du ventilateur UC (avec fonction de ventilateur intelligent)
	Embase de ventilateur système	x2	Alimentation électrique du ventilateur système
	Embase d'effacement CMOS	x1	
	Connecteur USB	x3	Chaque connecteur prend en charge 2 ports USB de panneau avant
	Connecteur de Port série	x1	
	Connecteur d'alimentation (24 broches)	x1	
	Connecteur d'alimentation (4 broches)	x1	
E/S du panneau arrière	Clavier PS/2	x1	
	Port VGA	x1	
	Port DVI-D	x1	
	Port LAN	x1	
	Port USB	x4	
	Fiche audio	x3	
Dimensions de la carte	244 mm (l) X 244 mm (H)		
Fonctionnalités spéciales	Prise en charge RAID 0 / 1 / 5 / 0+1		
Support SE	Windows XP / VISTA		Biostar se réserve le droit d'ajouter ou de supprimer le support de SE avec ou sans préavis.

**ITALIAN**

<b>SPECIFICA</b>		
CPU	LGA 775 Processore Intel Core2Duo / Core2Quad / Celeron 4xx / Pentium 4 / Pentium D Supporto 45nm CPU	Supporto di Hyper-Threading / Execute Disable Bit / Enhanced Intel SpeedStep® / Architettura Intel 64 / Tecnologia Extended Memory 64 / Tecnologia Virtualization
FSB	1333 MHz	
Chipset	GeForce 7100/rForce 630	
Super I/O	ITE 8718F Fornisce le funzionalità legacy Super I/O usate più comunemente. Interfaccia LPC (Low Pin Count)	Funzioni di controllo dell'ambiente: Monitoraggio hardware Controller velocità ventolina Funzione "Smart Guardian" di ITE
Memoria principale	Alloggi DIMM DDR 2 x 2 Capacità massima della memoria 4GB Ciascun DIMM supporta DDR 2 512MB e 1GB/2GB	Modulo di memoria DDR2 a canale singolo Supporto di DDR2 533 / 667 / 800 DIMM registrati e DIMM ECC non sono supportati
Grafica	GeForce 7100/rForce 630	La memoria video condivisa massima è di 512MB (under OS)
IDE	Controller IDE integrato	Modalità Bus Master Ultra DMA 33 / 66 / 100 / 133 Supporto modalità PIO Mode 0-4
SATA II	Controller Serial ATA integrato	Velocità di trasferimento dei dati fino a 3 Gb/s. Compatibile specifiche SATA Versione 2.0.
LAN	Realtek 8111B / 8111C(optional)	Negoziazione automatica 10 / 100 Mb/s e 1Gb/s Capacità Half / Full Duplex
Codec audio	ALC 662	Uscita audio 5.1 canali Supporto audio High-Definition (HD)
Alloggi	Alloggio PCI x2 Alloggio PCI Express x16 x1 Alloggio PCI Express x1 x1	
Connettori su scheda	Connettore floppy x1 Connettore Porta stampante x1 Connettore IDE x1	Ciascun connettore supporta 2 unità Floppy Ciascun connettore supporta 1 Porta stampante Ciascun connettore supporta 2 unità IDE



<b>SPECIFICA</b>		
	Connettore SATA x4 Connettore pannello frontale x1 Connettore audio frontale x1 Connettore CD-in x1 Connettore output SPDIF x1 Collettore ventolina CPU x1 Collettore ventolina sistema x2 Collettore cancellazione CMOS x1 Connettore USB x3 Connettore Porta seriale x1 Connettore alimentazione (24 pin) x1 Connettore alimentazione (4 pin) x1	Ciascun connettore supporta 1 unità SATA Supporta i servizi del pannello frontale Supporta la funzione audio pannello frontale Supporta la funzione input audio CD Supporta la funzione d'output audio digitale Alimentazione ventolina CPU (con funzione Smart Fan) Alimentazione ventolina di sistema Ciascun connettore supporta 2 porte USB pannello frontale
I/O pannello posteriore	Tastiera PS/2 x1 Porta VGA x1 Porta DVI-D x1 Porta LAN x1 Porta USB x4 Connettore audio x3	
Dimensioni scheda	244 mm (larghezza) x 244 mm (altezza)	
Caratteristiche speciali	Supporto RAID 0 / 1 / 5 / 0+1	
Sistemi operativi supportati	Windows XP / VISTA	Biostar si riserva il diritto di aggiungere o rimuovere il supporto di qualsiasi sistema operativo senza preavviso.

**SPANISH**

<i>Especificación</i>		
CPU	LGA 775 Procesador Intel Core2Duo / Core2Quad / Celeron 4xx / Pentium 4 / Pentium D Admite 45nm CPU	Admite Hyper-Threading / Bit de deshabilitación de ejecución / Intel SpeedStep® Mejorado / Intel Architecture-64 / Tecnología Extended Memory 64 / Tecnología de virtualización
FSB	1333 MHz	
Conjunto de chips	GeForce 7100/nForce 630i	
Súper E/S	ITE 8718F Le ofrece las funcionalidades heredadas de uso más común Súper E/S. Interfaz de cuenta Low Pin	Iniciativas de control de entorno, Monitor hardware Controlador de velocidad de ventilador Función "Guardia inteligente" de ITE
Memoria principal	Ranuras DIMM DDR2 x 2 Capacidad máxima de memoria de 4GB Cada DIMM admite DDR de 512MB y 1GB/2GB	Módulo de memoria DDR2 de canal Sencillo Admite DDR2 de 533 / 667 / 800 No admite DIMM registrados o DIMM compatibles con ECC
Gráficos	GeForce 7100/nForce 630i	Memoria máxima de vídeo compartida de 512MB (under OS)
IDE	Controlador IDE integrado	Modo bus maestro Ultra DMA 33 / 66 / 100 / 133 Soporte los Modos PIO 0~4,
SATA II	Controlador ATA Serie Integrado	Tasas de transferencia de hasta 3 Gb/s. Compatible con la versión SATA 2.0.
Red Local	Realtek 8111B / 8111C (opcional)	Negociación de 10 / 100 Mb/s y 1 Gb/s Funciones Half/ Full dúplex
Códecs de sonido	ALC 662	Salida de sonido de 5.1 canales Soporte de sonido Alta Definición
Ranuras	Ranura PCI X2 Ranura PCI Express x16 X1 Ranura PCI express x 1 X1	
Conectores en placa	Conector disco flexible X1 Conector Puerto de impresora X1 Conector IDE X1 Conector SATA X4	Cada conector soporta 2 unidades de disco flexible Cada conector soporta 1 Puerto de impresora Cada conector soporta 2 dispositivos IDE Cada conector soporta 1 dispositivos SATA

<b>Especificación</b>		
	Conector de panel frontal	X1 Soporta instalaciones en el panel frontal
	Conector de sonido frontal	X1 Soporta funciones de sonido en el panel frontal
	Conector de entrada de CD	X1 Soporta función de entrada de sonido de CD
	Conector de salida S/PDIF	X1 Soporta función de salida de sonido digital
	Cabecera de ventilador de CPU	X1 Fuente de alimentación de ventilador de CPU (con función Smart Fan)
	Cabecera de ventilador de sistema	X2 Fuente de alimentación de ventilador de sistema
	Cabecera de borrado de CMOS	X1
	Conector USB	X3 Cada conector soporta 2 puertos USB frontales
	Conector Puerto serie	X1
	Conector de alimentación (24 patillas)	X1
	Conector de alimentación (4 patillas)	X1
Panel trasero de E/S	Teclado PS/2	X1
	Puerto VGA	X1
	Puerto DVI-D	X1
	Puerto de red local	X1
	Puerto USB	X4
	Conector de sonido	X3
Tamaño de la placa	244 mm. (A) X 244 Mm. (H)	
Funciones especiales	Admite RAID 0 / 1 / 5 / 0+1	
Soporte de sistema operativo	Windows XP / VISTA	Biostar se reserva el derecho de añadir o retirar el soporte de cualquier SO con o sin aviso previo.

## PORTUGUESE

ESPECIFICAÇÕES		
CPU	LGA 775 Processador Intel Core2Duo / Core2Quad / Celeron 4xx / Pentium 4 / Pentium D Suporta 45nm CPU	Suporta as tecnologias Hyper-Threading / Execute Disable Bit / Enhanced Intel SpeedStep® / Intel Architecture-64 / Extended Memory 64 / Virtualization
FSB	1333 MHz	
Chipset	GeForce 7100/nForce 630i	
Especificação do Super I/O	ITE 8718F Proporciona as funcionalidades mais utilizadas em termos da especificação Super I/O. Interface LPC (Low Pin Count).	Iniciativas para controlo do ambiente Monitorização do hardware Controlador da velocidade da ventoinha Função "Smart Guardian" da ITE
Memória principal	Ranuras DIMM DDR2 x 2 Capacidade máxima de memória: 4 GB Cada módulo DIMM suporta uma memória DDR2 de 512MB & 1 GB/2 GB	Módulo de memória DDR2 de canal simples Suporta módulos DDR2 533 / 667 / 800 Os módulos DIMM registados e os DIMM ECC não são suportados
Placa gráfica	GeForce 7100/nForce 630i	Memória de vídeo máxima partilhada: 512 MB (under OS)
IDE	Controlador IDE integrado	Modo Bus master Ultra DMA 33 / 66 / 100 / 133 Suporta o modo PIO 0~4,
SATA II	Controlador Serial ATA integrado	Velocidades de transmissão de dados até 3 Gb/s. Compatibilidade com a especificação SATA versão 2.0.
LAN	Realtek 8111B / 8111C (opcional)	Auto negociação de 10 / 100Mb/s e 1Gb/s Capacidade semi/full-duplex
Codec de som	ALC 662	Saída de áudio de 5.1 canais Suporta a especificação High-Definition Audio
Ranuras	Ranhura PCI x2 Ranhura PCI Express x16 x1 Ranhura PCI Express x 1 x1	
Conectores na placa	Conector da unidade de disquetes x1 Conector da para impressora x1 Conector IDE x1	Cada conector suporta 2 unidades de disquetes Cada conector suporta 1 Porta para impressora Cada conector suporta 2 dispositivos IDE

ESPECIFICAÇÕES			
	Conector SATA	x4	Cada conector suporta 1 dispositivo SATA
	Conector do painel frontal	x1	Para suporte de várias funções no painel frontal
	Conector de áudio frontal	x1	Suporta a função de áudio no painel frontal
	Conector para entrada de CDs	x1	Suporta a entrada de áudio a partir de CDs
	Conector de saída S/PDIF	x1	Suporta a saída de áudio digital
	Conector da ventoinha da CPU	x1	Alimentação da ventoinha da CPU (com a função Smart Fan)
	Conector da ventoinha do sistema	x2	Alimentação da ventoinha do sistema
	Conector para limpeza do CMOS	x1	
	Conector USB	x3	Cada conector suporta 2 portas USB no painel frontal
	Conector da Porta série	x1	
	Conector de alimentação (24 pinos)	x1	
	Conector de alimentação (4 pinos)	x1	
Entradas/Saídas no painel traseiro	Teclado PS/2	x1	
	Porta VGA	x1	
	Porta DVI-D	x1	
	Porta LAN	x1	
	Porta USB	x4	
	Tomada de áudio	x3	
Tamanho da placa	244 mm (L) X 244 mm (A)		
Características especiais	Suporta as funções RAID 0 / 1 / 5 / 0+1		
Sistemas operativos suportados	Windows XP / VISTA		A Biostar reserva-se o direito de adicionar ou remover suporte para qualquer sistema operativo com ou sem aviso prévio.

## POLISH

SPEC		
Procesor	LGA 775 Procesor Intel Core2Duo / Core2Quad / Celeron 4xx / Pentium 4 / Pentium D Obsługa 45nm Procesor	Obsługa Hyper-Threading / Execute Disable Bit / Enhanced Intel SpeedStep® / Intel Architecture-64 / Extended Memory 64 Technology / Virtualization Technology
FSB	1333 MHz	
Chipset	GeForce 7100/nForce 630i	
Pamięć główna	Gniazda DDR2 DIMM x 2 Maks. wielkość pamięci 4GB Każde gniazdo DIMM obsługuje moduły 512MB oraz 1GB/2GB DDR2	Moduł pamięci DDR2 z trybem pojedynczego kanału Obsługa DDR2 533 / 667 / 800 Brak obsługi Registered DIMM oraz ECC DIMM
Super I/O	ITE 8718F Zapewnia najbardziej powszechne funkcje Super I/O. Interfejs Low Pin Count	Funkcje kontroli warunków pracy Monitor H/W Kontroler prędkości wentylatora Funkcja ITE "Smart Guardian"
Grafika	GeForce 7100/nForce 630i	Maks. wielkość współdzielonej pamięci video wynosi 512MB (under OS)
IDE	Zintegrowany kontroler IDE	Ultra DMA 33 / 66 / 100 / 133 Tryb Bus Master obsługa PIO tryb 0~4,
SATA II	Zintegrowany kontroler Serial ATA	Transfer danych do 3 Gb/s. Zgodność ze specyfikacją SATA w wersji 2.0.
LAN	Realtek 8111B / 8111C (opcja)	10 / 100 Mb/s oraz 1Gb/s z automatyczną negocjacją szybkości Działanie w trybie połowicznego / pełnego duplexu
Kodek dźwiękowy	ALC 662	5.1 kanałowe wyjście audio Obsługa High-Definition Audio
Gniazda	Gniazdo PCI x2 Gniazdo PCI Express x16 Gniazdo PCI Express x1	x2 x1 x1
Złącza wbudowane	Złącze napędu dyski Złącze Port drukarki Złącze IDE Złącze SATA	x1 x1 x1 x4 Każde złącze obsługuje 2 napędy dyski Każde złącze obsługuje 1 Port drukarki Każde złącze obsługuje 2 urządzenia IDE Każde złącze obsługuje 1 urządzenie SATA

SPEC			
	Złącze panela przedniego	x1	Obsługa elementów panela przedniego
	Przednie złącze audio	x1	Obsługa funkcj audio na panelu przednim
	Złącze wejścia CD	x1	Obsługa funkcj wejścia audioCD
	Złącze wyjścia S/PDIF	x1	Obsługa funkcj cyfrowego wyjścia audio
	Złącze główkowe wentylatora procesora	x1	Zasilanie wentylatora procesora (z funkcją Smart Fan)
	Złącze główkowe wentylatora systemowego	x2	Zasilanie wentylatora systemowego
	Złącze główkowe kasowania CMOS	x1	
	Złącze USB	x3	Każde złącze obsługuje 2 porty USB na panelu przednim
	Złącze Port szeregowy	x1	
	Złącze zasilania (24 pinowe)	x1	
	Złącze zasilania (4 pinowe)	x1	
Back Panel I/O	Klawiatura PS/2	x1	
	Port VGA	x1	
	Port DVI-D	x1	
	Port LAN	x1	
	Port USB	x4	
	Gniazdo audio	x3	
Wymiary płyty	244 mm (S) X 244 mm (W)		
Funkcje specjalne	Obsługa RAID 0 / 1 / 5 / 0+1		
Obsługa systemu operacyjnego	Windows XP / VISTA		Biostar zastrzega sobie prawo dodawania lub odwoływania obsługi dowolnego systemu operacyjnego bez powiadomienia.

## RUSSIAN

СПЕЦ		
CPU (центральный процессор)	LGA 775 Процессор Intel Core2Duo / Core2Quad / Celeron 4xx / Pentium 4 / Pentium D Поддержка технологий 45nm CPU	Поддержка технологий Hyper-Threading / Execute Disable Bit / Enhanced Intel SpeedStep® / Intel Architecture-64 / Extended Memory 64 Technology / технологии виртуализация
FSB	1333 МГц	
Набор микросхем	GeForce 7100/nForce 630	
Основная память	Слоты DDR2 DIMM x 2 Максимальная ёмкость памяти 4 Гб Каждый модуль DIMM поддерживает 512Мб & 1Гб/2Гб DDR2	Модуль памяти с одноканальным режимом DDR2 Поддержка DDR2 533 / 667 / 800 Не поддерживает зарегистрированные модули DIMM and ECC DIMM
Super I/O	ITE 8718F Обеспечивает наиболее используемые действующие функциональные возможности Super I/O. Интерфейс с низким количеством выводов	Инициативы по охране окружающей среды, Аппаратный монитор Регулятор скорости Функция ITE "Smart Guardian" (Интеллектуальная защита)
Графика	GeForce 7100/nForce 630	Максимальная совместно используемая видео память составляет 512 Мб (under OS)
IDE	Встроенное устройство управления встроенными интерфейсами устройств	Режим "хозяина" шины Ultra DMA 33 / 66 / 100 / 133 Поддержка режима PIO 0~4,
SATA II	Встроенное последовательное устройство управления ATA	скорость передачи данных до 3 гигабит/с. Соответствие спецификации SATA версия 2.0.
Локальная сеть	Realtek 8111B / 8111C (дополнительно)	Автоматическое согласование 10 / 100 Мб/с и 1Гб/с Частичная / полная дуплексная способность
Звуковой кодек	ALC662	Звуковая поддержка High-Definition 5.1 канальный звуковой выход
Слоты	Слот PCI x2 Слот PCI Express x16 x1 Слот PCI Express x1 x1	
Встроенный разъём	Разъём НГМД x1 Разъём Порт подключения принтера x1 Разъём IDE x1	Каждый разъём поддерживает 2 накопителя на гибких магнитных дисках Каждый разъём поддерживает 1 Порт подключения принтера Каждый разъём поддерживает 2 встроенных интерфейса накопителей



СПЕЦ		
	Разъём SATA	x4
	Разъём на лицевой панели	x1
	Входной звуковой разъём	x1
	Разъём ввода для CD	x1
	Разъём вывода для S/PDIF	x1
	Контактирующее приспособление вентилятора центрального процессора	x1
	Контактирующее приспособление вентилятора системы	x2
	Открытое контактирующее приспособление CMOS	x1
	USB-разъём	x3
	Разъём Последовательный порт	x1
	Разъём питания (24 вывод)	x1
	Разъём питания (4 вывод)	x1
Задняя панель средств ввода-вывода	Клавиатура PS/2	x1
	Порт VGA	x1
	Порт DVI-D	x1
	Порт LAN	x1
	USB-порт	x4
	Гнезд для подключения наушников	x3
Размер панели	244 мм (Ш) X 244мм (В)	
Специальные технические характеристики	Поддержка RAID 0 / 1 / 5 / 0+1	
Поддержка OS	Windows XP / VISTA	Biostar сохраняет за собой право добавлять или удалять средства обеспечения для OS с или без предварительного уведомления.

## ARABIC

المواصفات		
وحدة لمعالجة المركبة	LGA 775 Intel Core2Duo / Core2Quad / Celeron 4xx بتردد يصل إلى 4 جيجا بايت CPU 45nm تدعم تقنيات	Hyper-Threading / Execute Disable Bit / Enhanced Intel SpeedStep® / Intel Architecture-64 / Extended Memory 64 Technology / Virtualization Technology
النقل الأمامي لجذبي	ميغا هرتز 1333 تردد	
مجموعة لشراخ	GeForce 7100/nForce 630i	
الذاكرة الرئيسية	فتحة DDR2 DIMM عدد 2 سعة ذاكرة قصوى 4 جيجا بايت ميغا بايت 512 سعة DDR2 دعم ذاكرة من نوع DIMM تدعم كل فتحة و 2/1 جيجا بايت	أحذية فتحة DDR2 وحدة ذاكرة سعات 800 / 667 / 533 ميغا بايت DDR2 تدعم الذاكرة من نوع ECC وذلك التي لا تتوافق مع DIMM لا تدعم رقائق الذاكرة
Super I/O	ITE 8718F الأكثر استخداماً Super I/O توفر وظيفة Low Pin Count Interface تدعم تقنية	وسائل التحكم في البيئة مراقب لمعوية حلبة الأجهزة مراقب في موعة لمروحة ITE من "Smart Guardian" وظيفة
بطاقة الرسومات	GeForce 7100/nForce 630i	(under OS) ميغا بايت 512 أقصى سعة لذاكرة الفيديو المشتركة
منفذ IDE	متكامل IDE متحكم	وضع رئيسي Ultra DMA 33 / 66 / 100 / 133 نقل بتقنية PIO Mode 0~4 دعم وضع
SATA II	متكامل Serial ATA متحكم	نقل البيانات بسرعات تصل إلى 3 جيجابت/ثانية. 2.0 الإصدار SATA مطابقة للمواصفات
شبكة داخلية	Realtek 8111B / 8111C (اختراري)	تقلص فتحة 100/10 ميغا بايت / ثلثية و 1 جيجا بايت/ثانية إمكانية النقل لمزيج الكامل/القصي
كوديك الصوت	ALC662	قنوات لخرج الصوت 5.1 تدعم تقنية لصوت عالي لتعريف من
الفتحات	فتحة PCI عدد 2 فتحة PCI Express x16 عدد 1 فتحة PCI Express x1 عدد 1	
المنافذ على سطح اللوحة	مقعد محرك أقراص مرنة عدد 1 مقعد طابعة عدد 1 مقعد IDE عدد 1	يدعم محركين للأقراص المرنة IDE يدعم كل منفذ اثنين من أجهزة

المواصفات		
مقذا SATA	عدد 4	SATA يدعم كل منفذ واحد من أجهزة
مقذا اللوحة الأممية	عدد 1	يدعم تجهيزات اللوحة الاممية
مقذا الصوت الأممي	عدد 1	يدعم وظيفة الصوت باللوحة الاممية
مقذا CD-IN	عدد 1	يدعم وظيفة دخل صوت القوس لدمج
مقذا خرج S/PDIF	عدد 1	يدعم وظيفة خرج لصوت رقمي
وصلة مروحة وحدة المعالجة المركزية	عدد 1	Smart Fan لتوصيل الطلقة للورحة وحدة المعالجة مع وظيفة
وصلة مروحة النظم	عدد 2	لتوصيل الطلقة للورحة النظم
وصلة مسح CMOS	عدد 1	
مقذا USB	عدد 3	بالوحة الأممية USB يدعم كل منفذ قحني
مقذا تسلسلي	عدد 1	
مقذا توصيل الطلقة (24دوس)	عدد 1	
مقذا توصيل الطلقة (4بيليس)	عدد 1	
لوحة مفاتيح PS/2	عدد 1	
منافذ VGA	عدد 1	
منافذ DVI-D	عدد 1	منافذ دخل/خرج
مقذا شبكة اتصال محلية	عدد 1	للورحة الخلفية
منافذ USB	عدد 4	
مقيس صوت	عدد 3	
		زليا خاصة RAID 0 / 1 / 5 / 0+1 تدعم تقنية
		244 مم (عرض) X 244 مم (ارتفاع)
		نظم أنظمة تشغيل Windows XP / VISTA
		بحقها في إضافة أو إزالة ادم انفي نظام تشغيل باحطل أو Biostar تستفظ بيون إكسل.

## JAPANESE

仕様		
CPU	LGA 775 Intel Core2Duo / Core2Quad / Celeron 4xx / Pentium 4 / Pentium D processor 45nm CPU をサポートします	Hyper-Threading / Execute Disable Bit / Enhanced Intel SpeedStep® / Intel Architecture-64 / Extended Memory 64 Technology / Virtualization Technologyをサポートします
FSB	1333 MHz	
チップセット	GeForce 7100/nForce 630i	
メインメモリ	DDR2 DIMMスロット x 2 最大メモリ容量 4GB 各DIMMは512MB/1GB/2GB DDR2をサポート	シングル チャンネルモードDDR2メモリモジュール DDR2 533 / 667 / 800をサポート 登録済みDIMMとECC DIMMはサポートされません
Super I/O	ITE 8718F もっとも一般に使用されるレガシー Super I/O 機能を採用しています。 低ピンカウントインターフェイス	環境コントロールイニシアチブ、 H/Wモニター ファン速度コントローラ / モニター ITEの「スマートガーディアン」機能
グラフィックス	GeForce 7100/nForce 630i	最大の共有ビデオメモリは512MBです (under OS)
IDE	統合IDEコントローラ	Ultra DMA 33 / 66 / 100 / 133バスマスタモード PIO Mode 0~4のサポート、
SATA II	統合シリアルATAコントローラ	最高3 Gb/秒のデータ転送速度 SATAバージョン2.0仕様に準拠。
LAN	Realtek 8111B / 8111C(オプション)	10 / 100 Mb/秒および1Gb/秒のオートネゴシエーション 半/全二重機能
サウンド Codec	ALC 662	5.1チャンネルオーディオアウト ハイデフィニションオーディオのサポート
スロット	PCIスロット x2 PCI Express x16スロット x1 PCI Express x 1スロット x1	
オンボードコネクタ	フロッピーコネクタ x1 プリンタポートコネクタ x1 IDEコネクタ x1	各コネクタは2つのフロッピードライブをサポートします 各コネクタは1つのプリンタポートをサポートします 各コネクタは2つのIDEデバイスをサポートします

仕様		
	SATAコネクタ	x4
	フロントパネルコネクタ	x1
	フロントオーディオコネクタ	x1
	CDインコネクタ	x1
	S/PDIFアウトコネクタ	x1
	CPUファンヘッダ	x1
	システムファンヘッダ	x2
	CMOS クリアヘッダ	x1
	USBコネクタ	x3
	シリアルポート コネクタ	x1
	電源コネクタ (24ピン)	x1
	電源コネクタ (4ピン)	x1
背面パネル I/O	PS/2キーボード	x1
	VGAポート	x1
	DVI-Dポート	x1
	LANポート	x1
	USBポート	x4
	オーディオジャック	x3
ボードサイズ	244 mm (幅) X 244 mm (高さ)	
特殊機能	RAID 0 / 1 / 5 / 0+1 のサポート	
OSサポート	Windows XP / VISTA	Biostarは事前のサポートなしにOSサポートを追加または削除する権利を留保します。

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